

ABSTRACT OF THE DISCLOSURE

The present invention relates to the passage and device of an air purifier having a plurality of filter layers of light catalyst disposed layer by layer on a predetermined space, and a plurality of engraved openings formed
5 on the surface of each filter layer, and a plurality of recessions formed on the surface panel. When each filter layer is stacked, the recession of each filter layer is disposed on surface of each filter layer below, and forms an isolating section at where the recession lands such that a plurality of passages having appropriate gaps between every two filter layers and every two isolating
10 sections. The air can pass through the passage between two filter layers and thus accomplishes the disinfections effect, and such device can be installed between a base having a fan and a cover having a gas inlet and a gas outlet where an infrared light illuminates each filter layer.